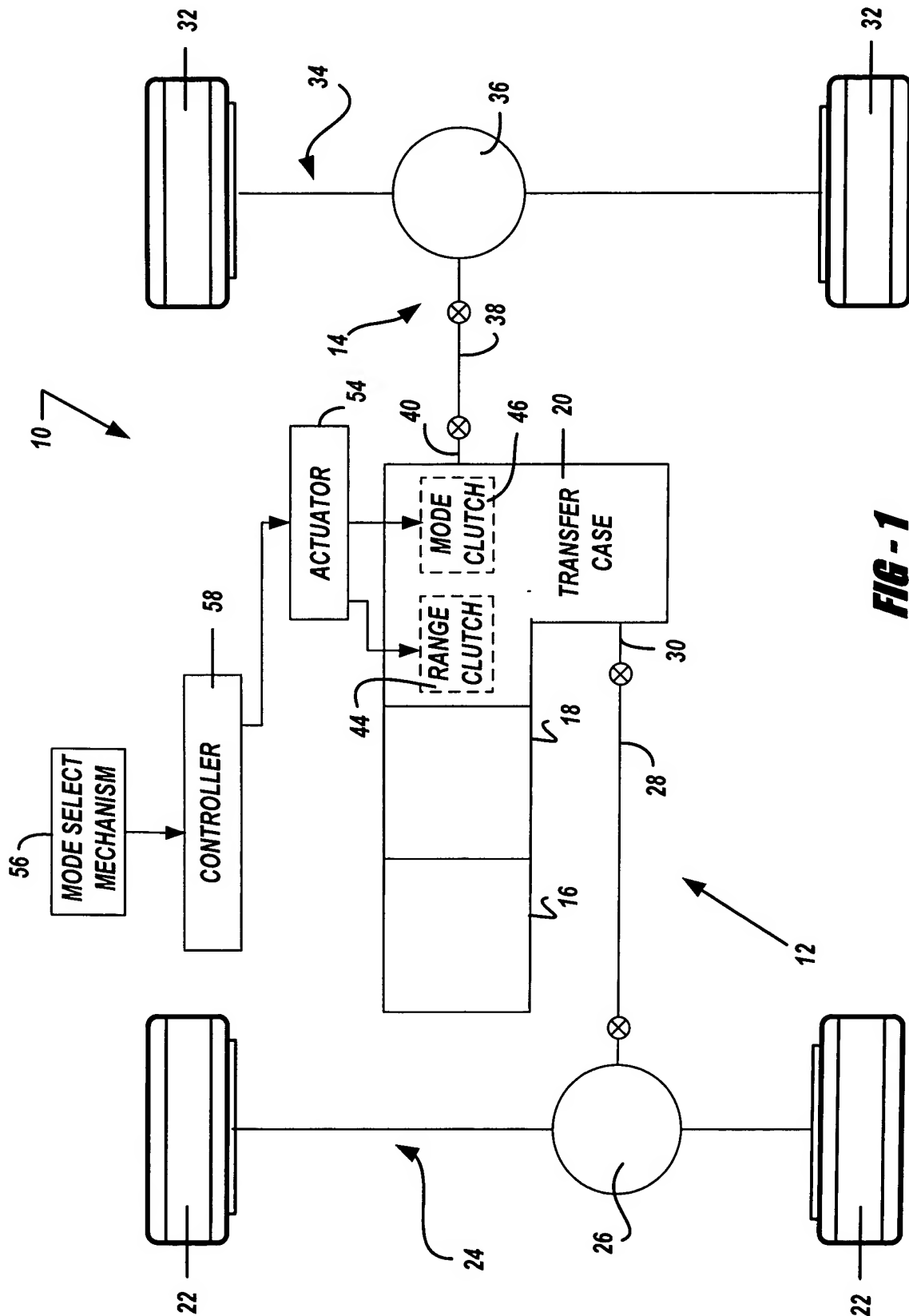
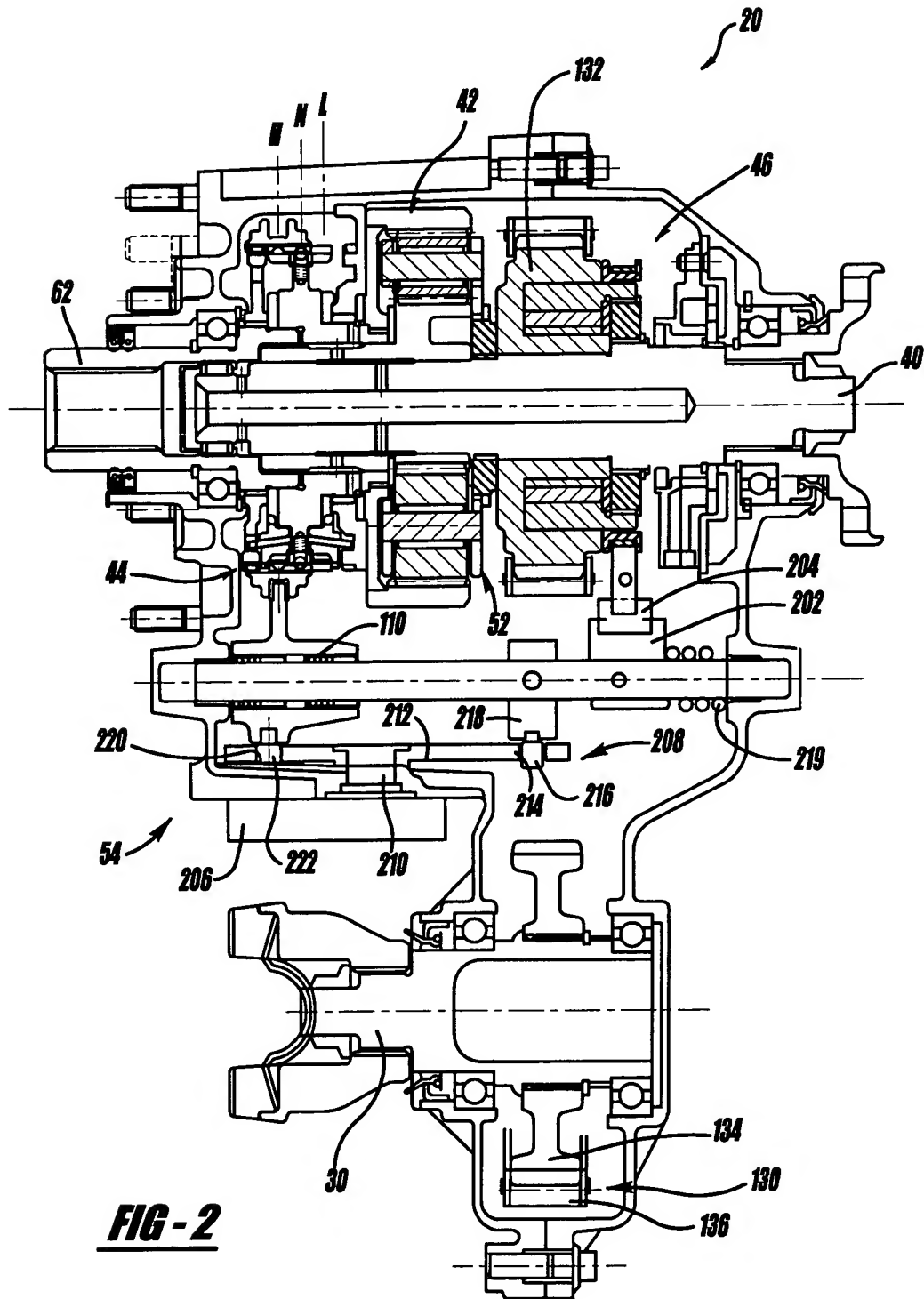


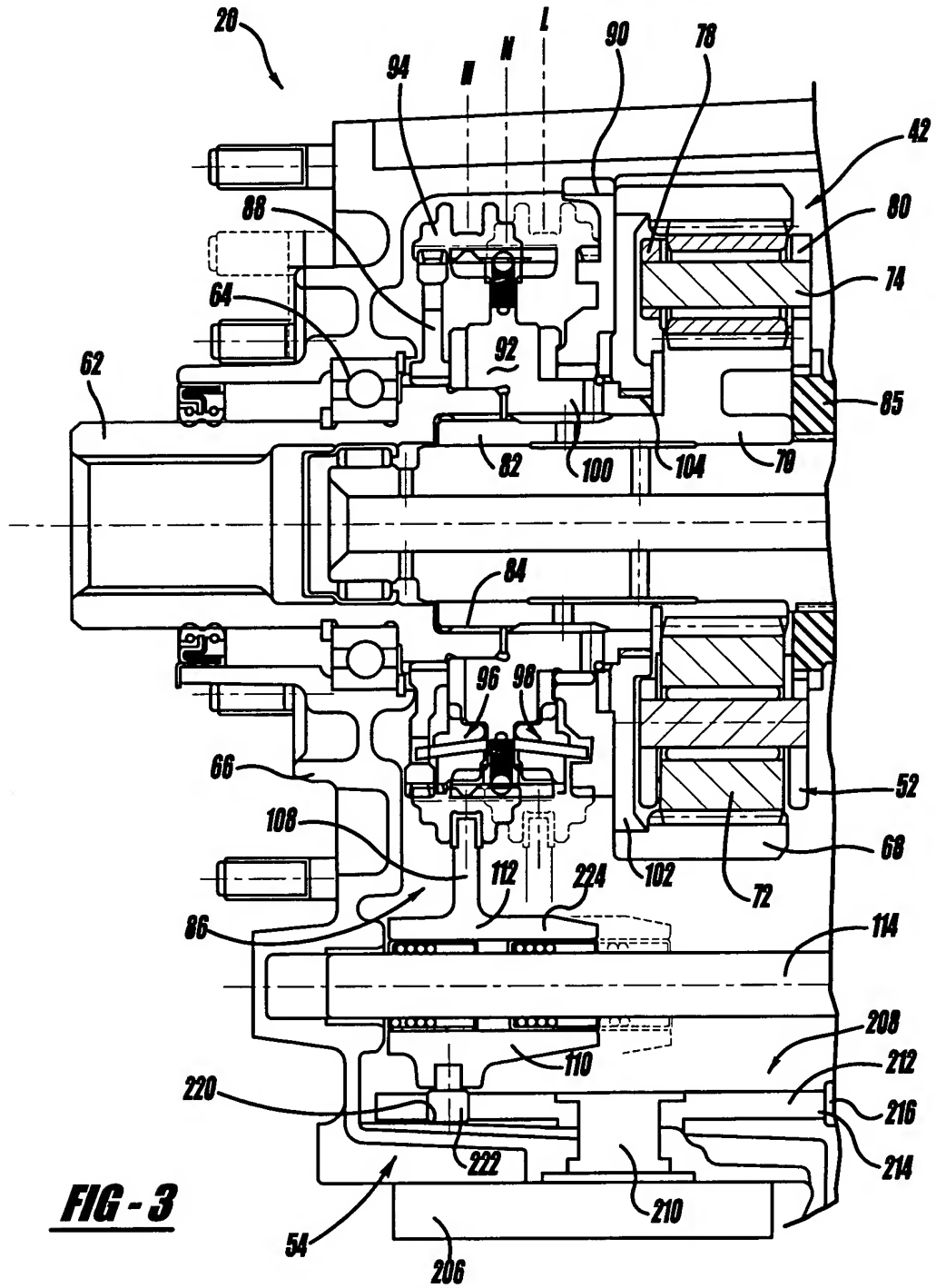
1/14



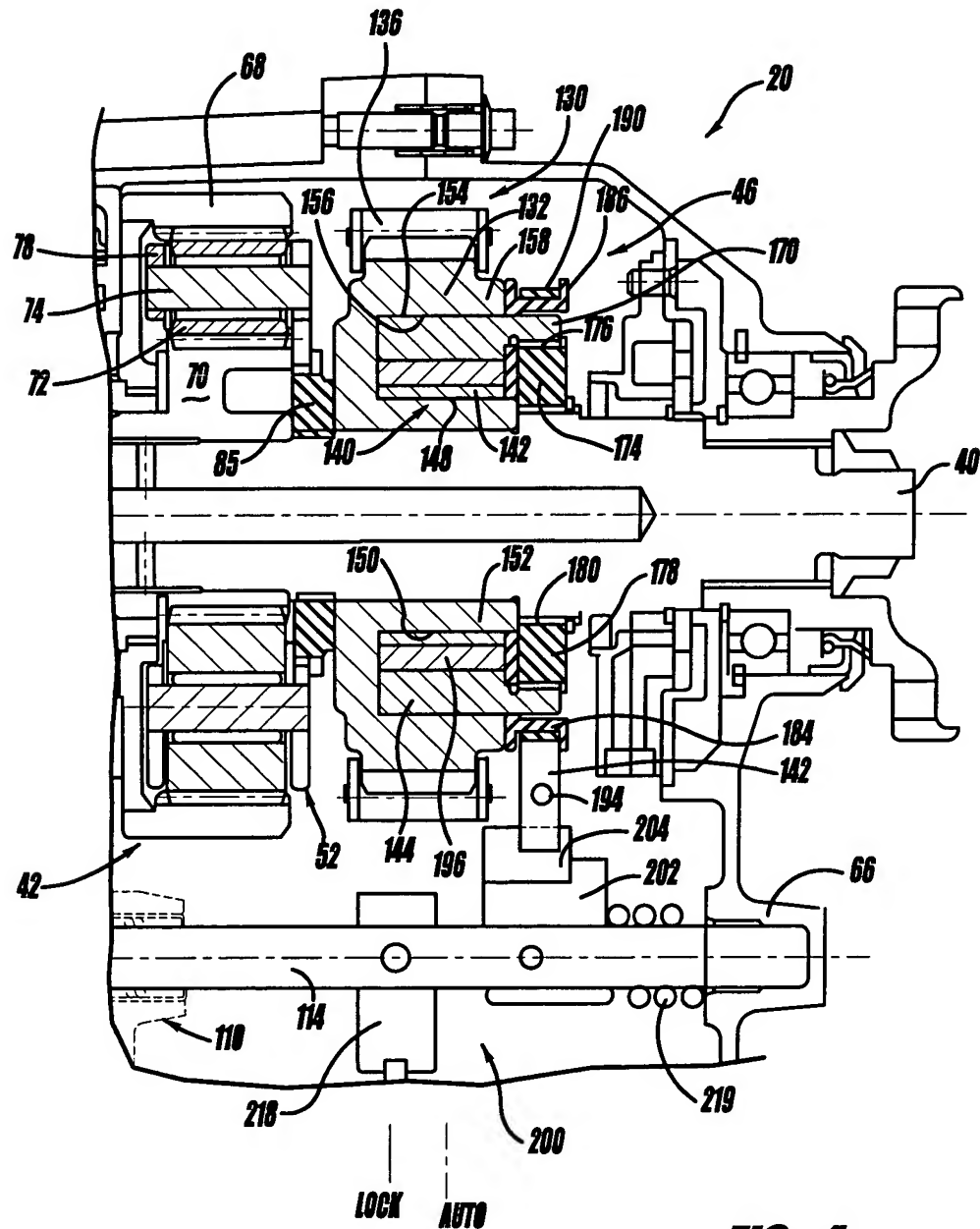
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Title : ON-DEMAND TRANSFER CASE WITH BI-DIRECTIONAL CLUTCH ASSEMBLY

Inventor: Randolph C. Williams

Attorney: Philip E. Rettig, Harness, Dickey & Pierce, P.L.C.

Attorney Docket No.: 6978-000240/COB

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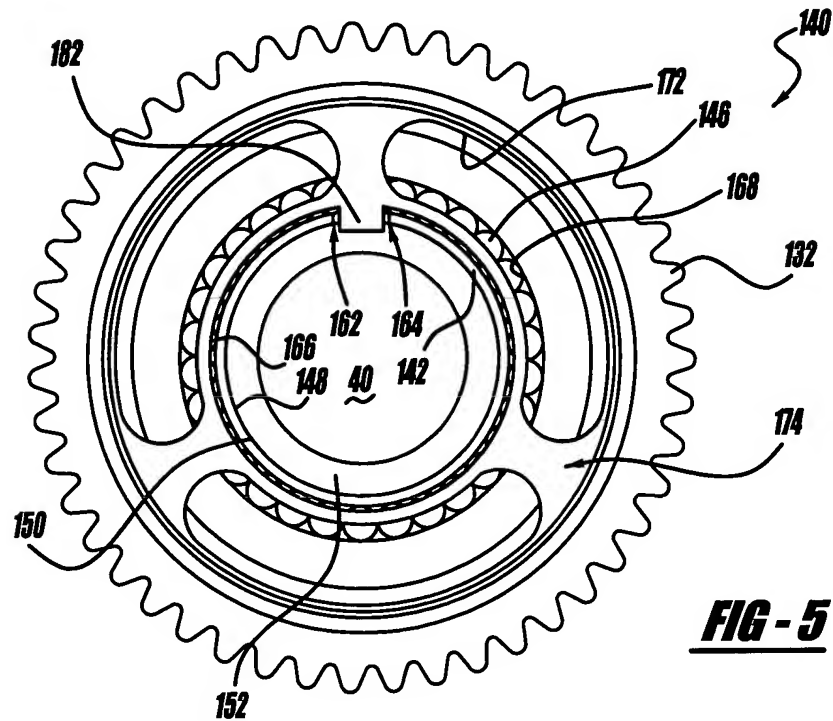


FIG - 5

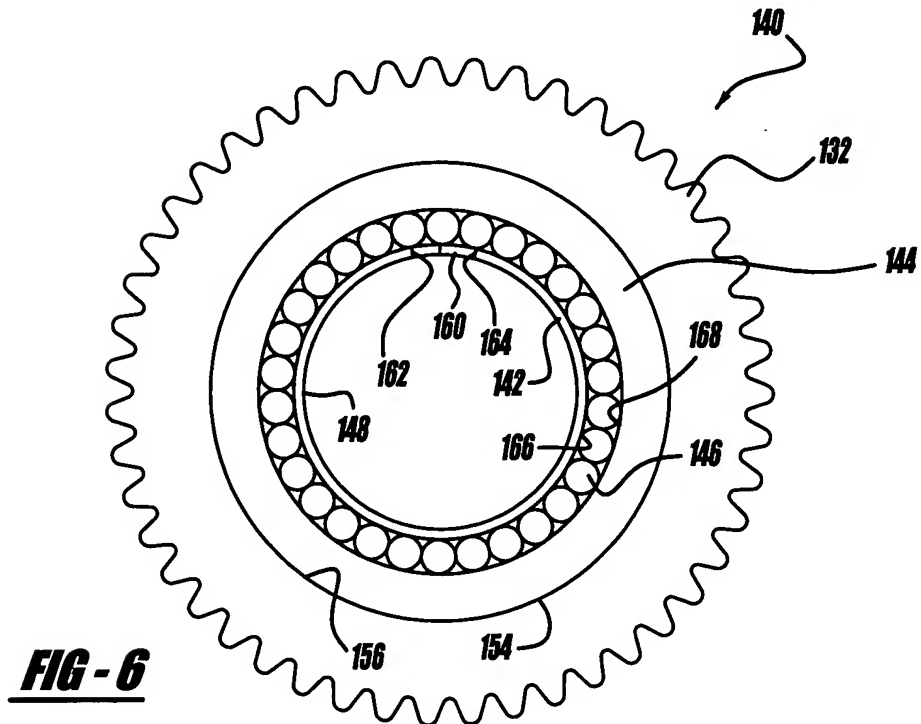


FIG - 6

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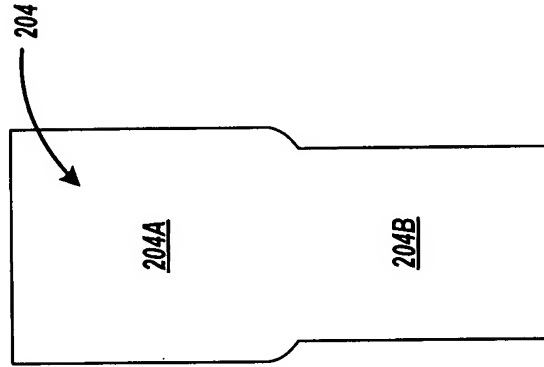


FIG - 8

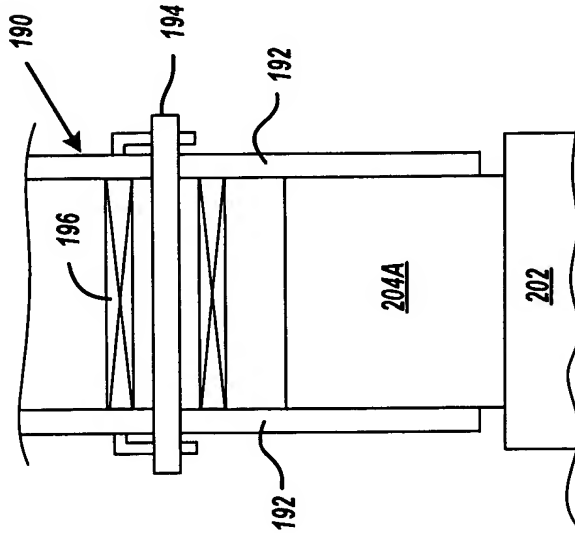


FIG - 7B

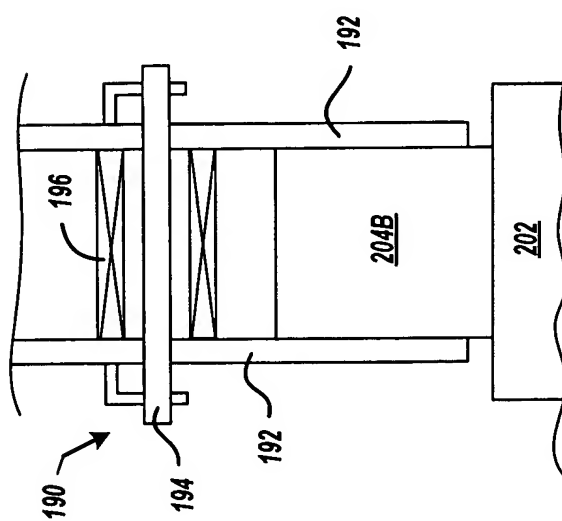


FIG - 7A

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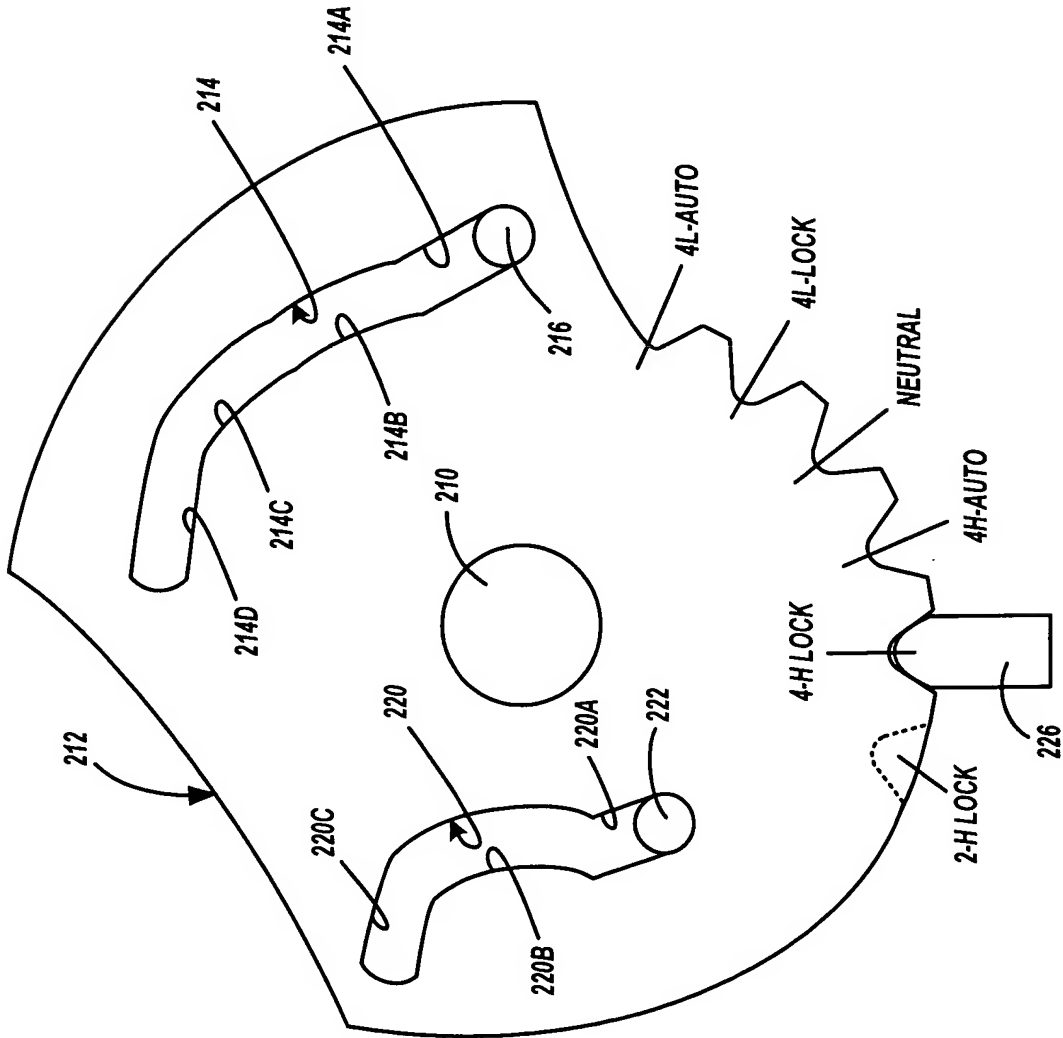


FIG - 9A

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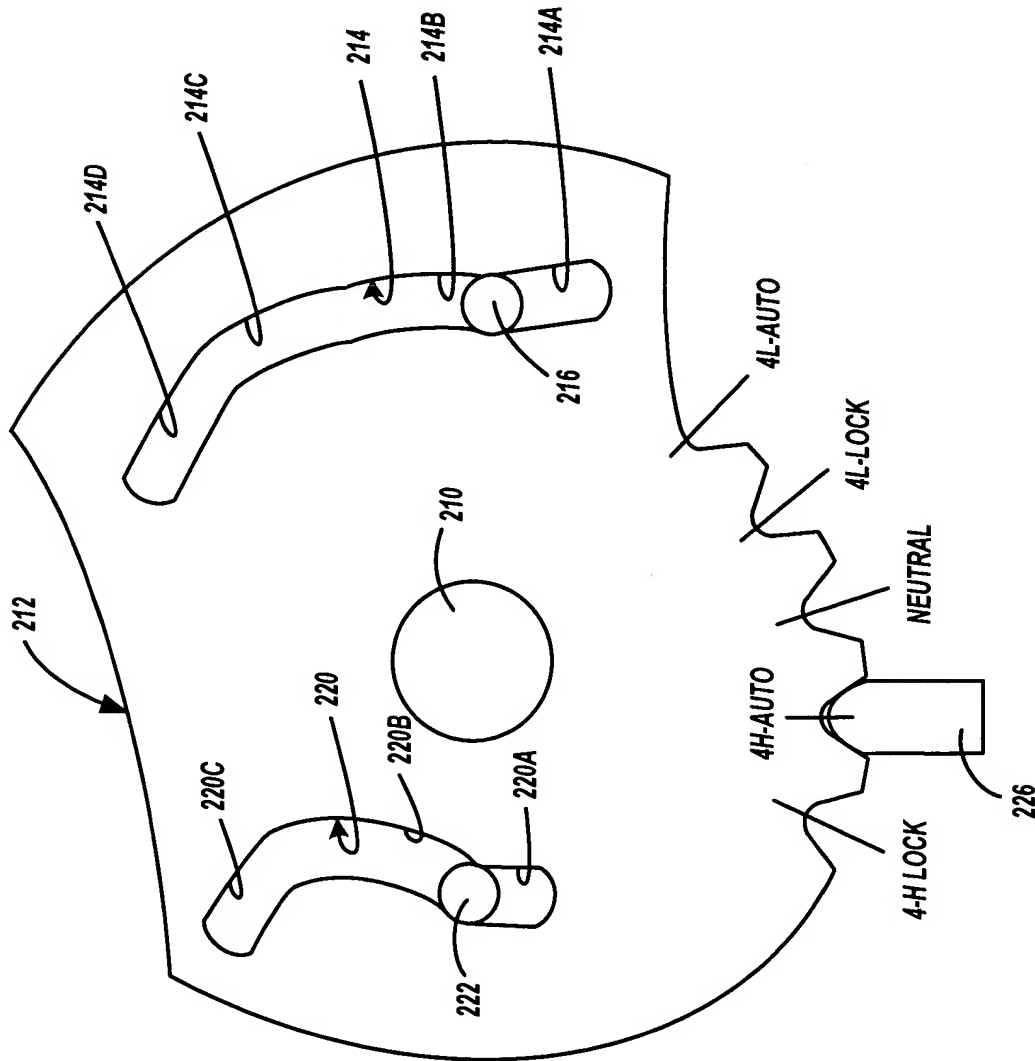


FIG - 9B

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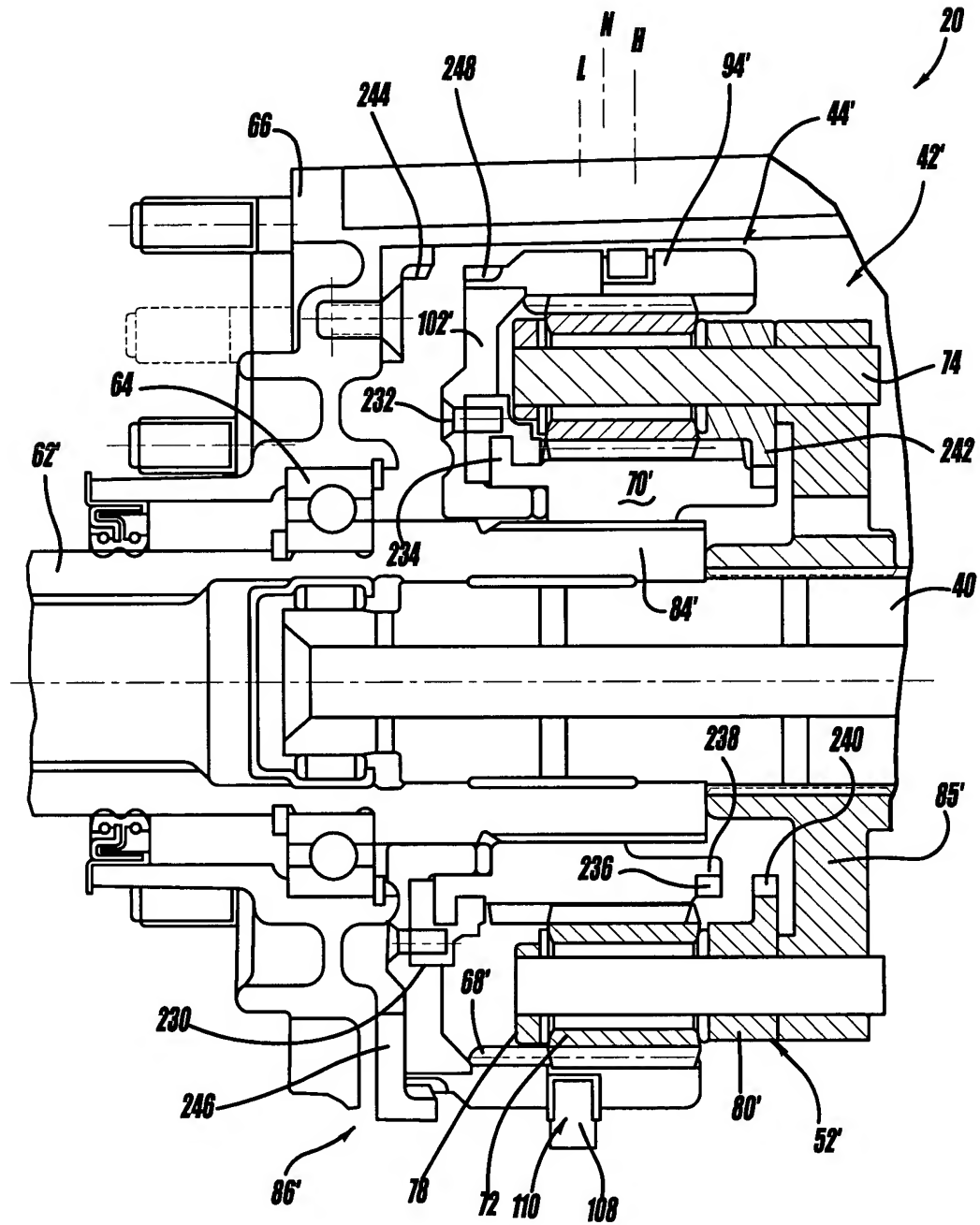


FIG - 10

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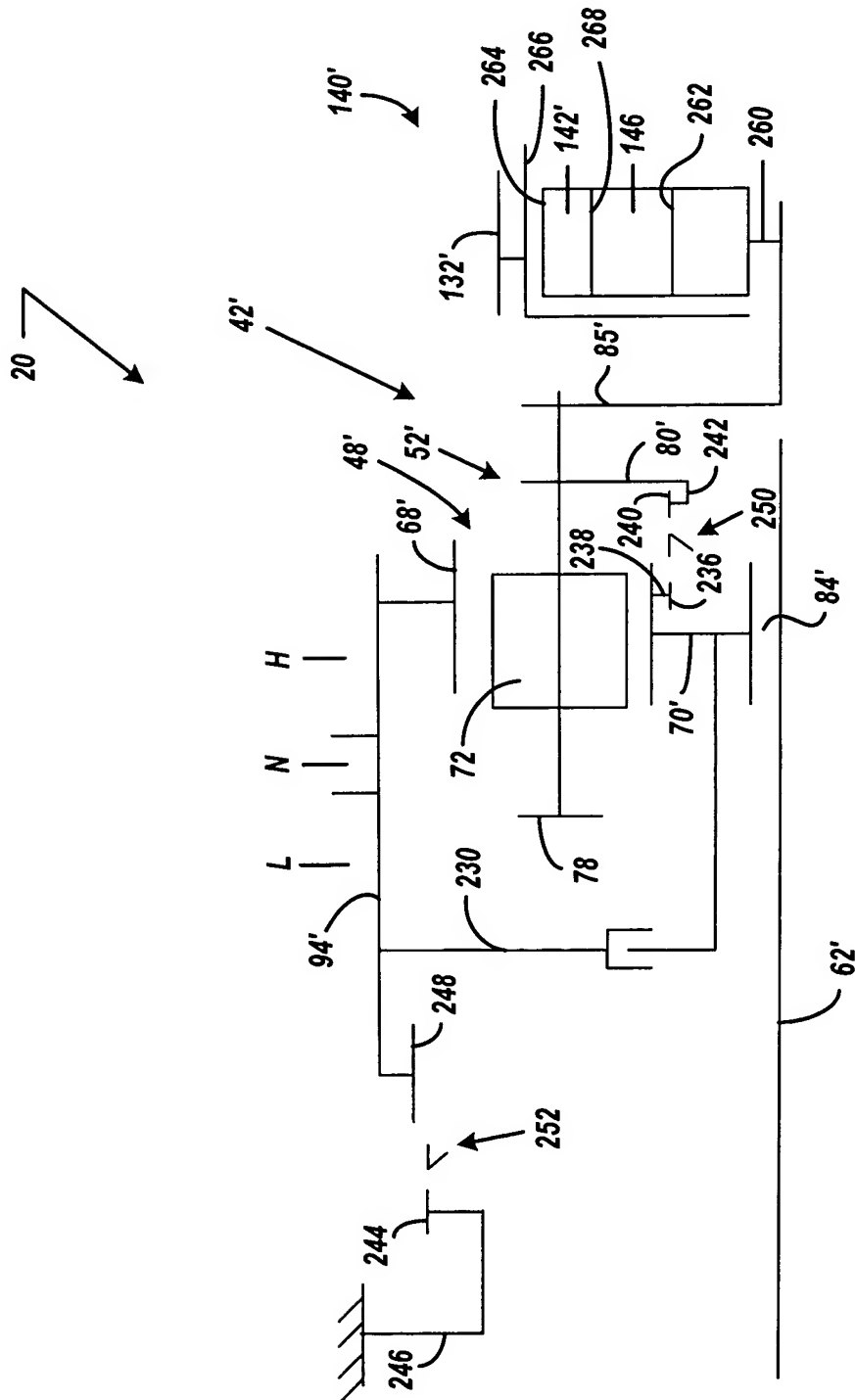


FIG - 11

[illegible]

FIG - 12

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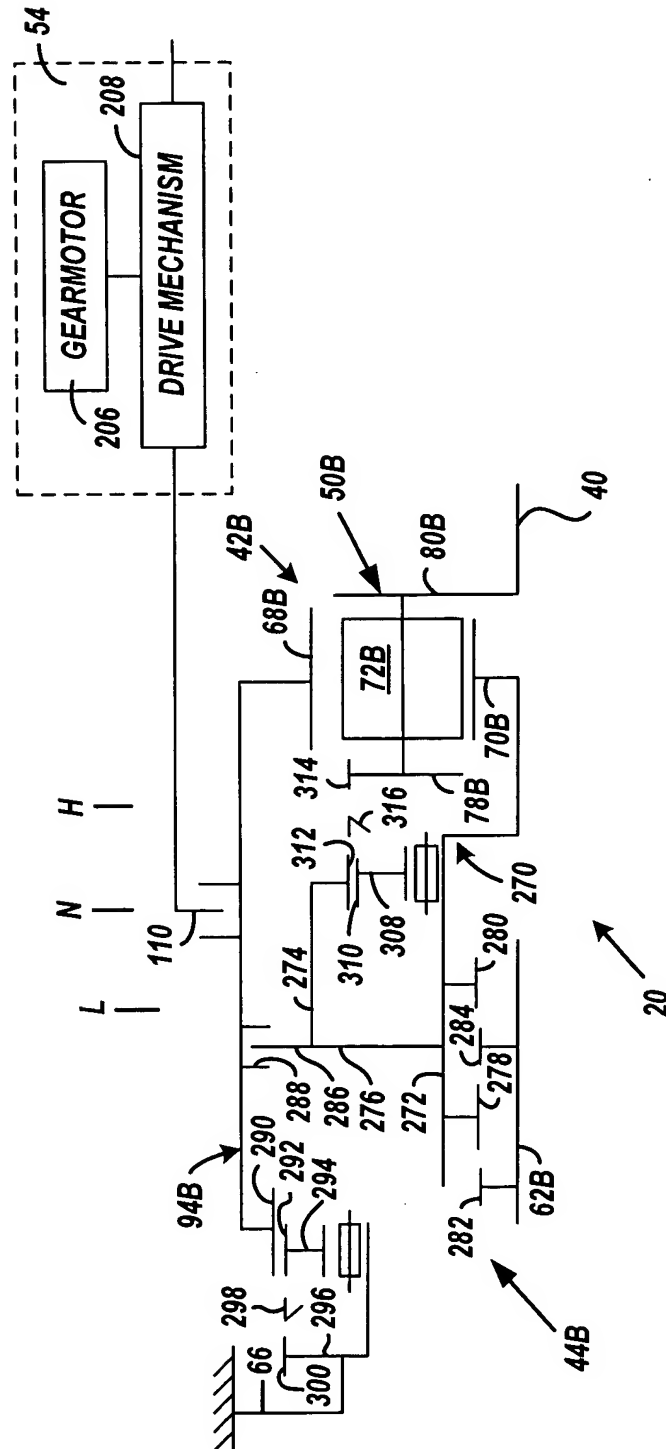


FIG - 13

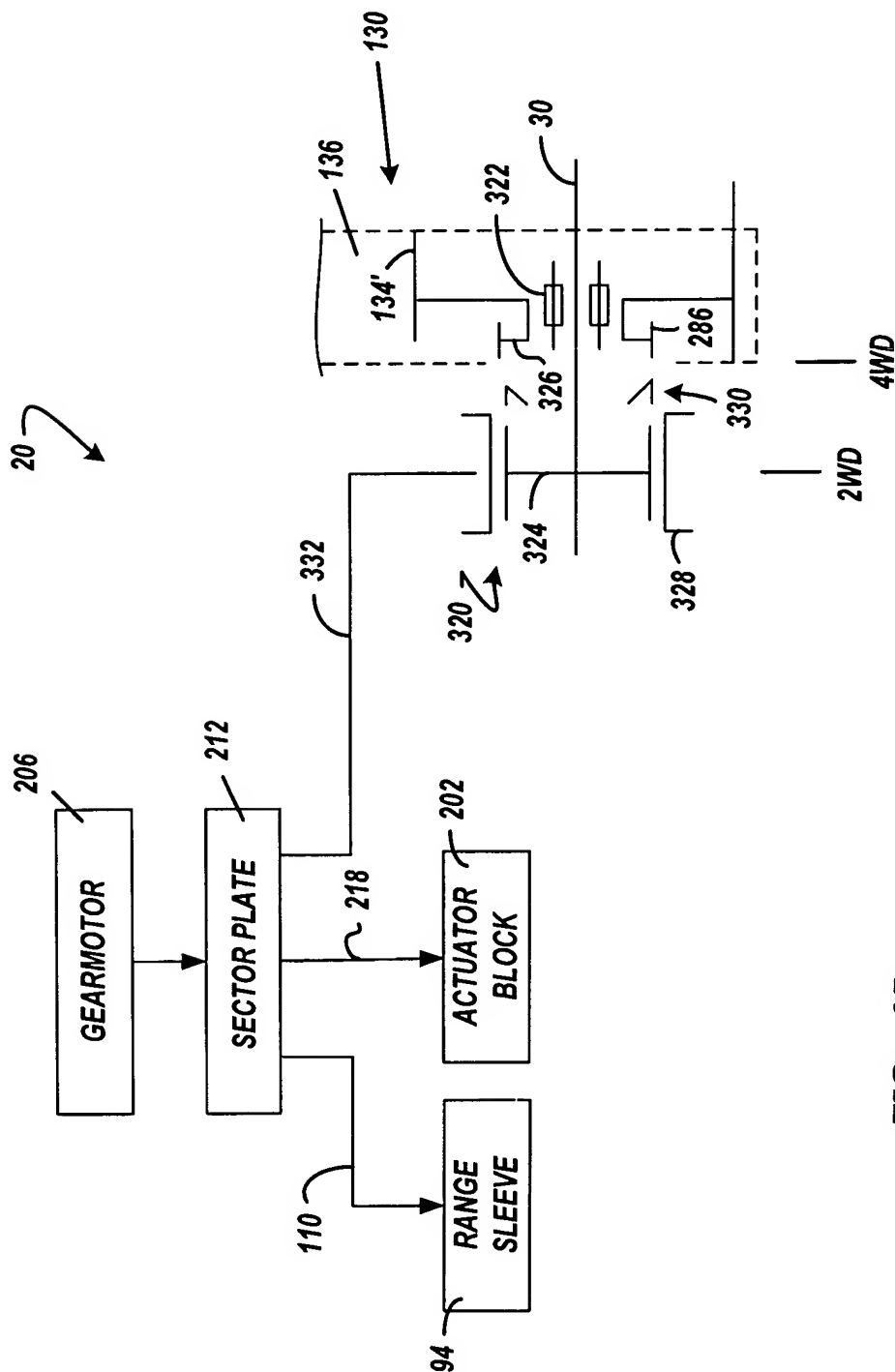


FIG - 14

FIG. 1 is a detailed cross-sectional view of a mechanical assembly, likely a firearm, showing the internal components and the transition from LOCK to AUTO position. The assembly is shown in a side cross-section, with a central horizontal axis. Key components labeled include: 20 (the main body), 46 (a component on the right), 70 (a component on the left), 72, 74, 78 (components on the far left), 130, 132, 136, 154, 156, 158, 186, 170, 176, 178, 184, 190, 194, 202, 204, 219, 218, 200 (the bottom housing), 110, 114, 66, 40 (a component on the right), 352, 140, 148, 142, 174, 350, 150, 152, 180, 178, 144, 196, 52, 42 (a component on the left), 68 (a component on the left), and 136 (a component on the left). The diagram illustrates the internal mechanism, including various springs, pistons, and valves, and shows the transition from a LOCK position to an AUTO position.

FIG - 15